

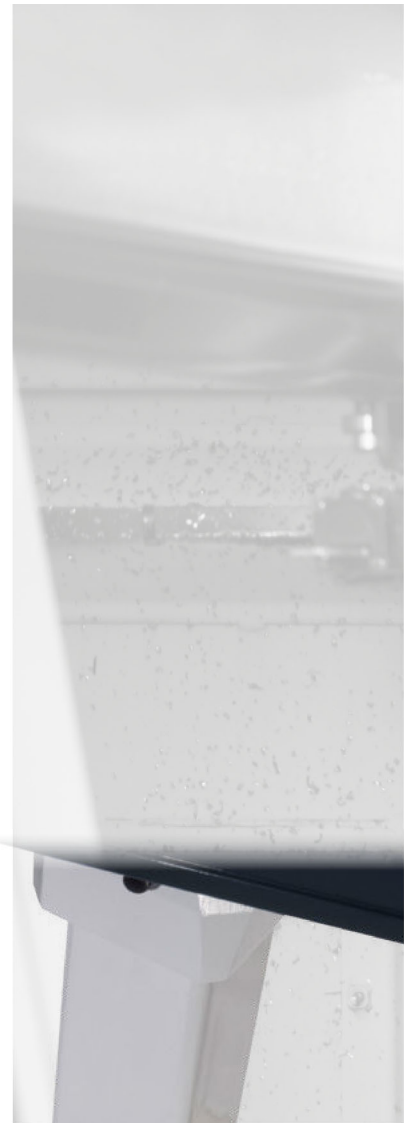
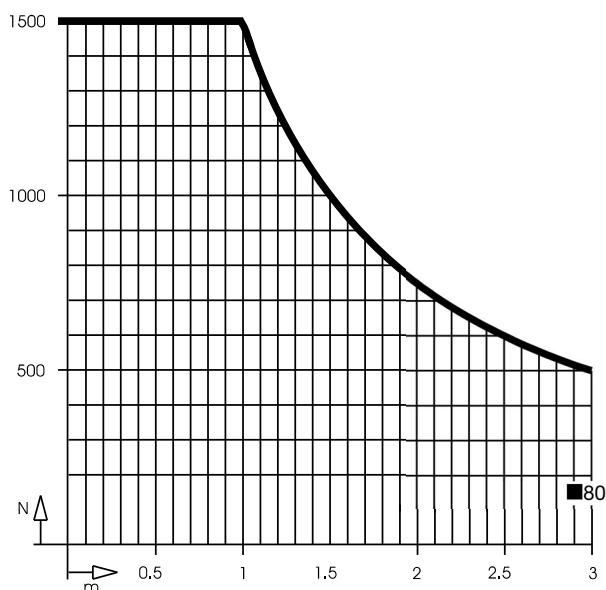
The heavy duty CS-2000 System 80

A steel support system is the ideal solution for the stable and reliable connection of controls in machine and plant construction. The CS-2000 System 80 features solid steel support profiles and a wide range of system components and couplings. This allows for a wide range of system solutions to be realised of up to a 3 m projection and a 150 kg load. Generous installation openings allow for easy cable installation. Accessories such as swivel angle limiters or traffic light adapters round off the product range.

Product features

- Installation openings at all deflection points for simplified cable installation
- Integrated strain relief for intercepting cables
- Maintenance-free and backlash-free bearings in all joints and couplings
- Adjustment options for exact alignment of the support tubes
- Wall and intermediate joints with adjustable torque and retrofittable swivel angle limitation (available as accessories)
- Flange couplings with adjustable sluggishness and retrofittable angle of rotation limitation
- "Overhead mounting" of all components possible

Load diagram for static load CS-2000 System 80



Application examples

CS-2000 System 80 suspension system with CC-3000 operating enclosure

- Support column
- Hanging version

Suspension system CS-2000 System 80 Connection from above

- Wall joint with bellows
- Elbow
- CS-2000 Support tube
- Coupling on CC-4000

CS-2000 System 80 suspension system with CC-4000 operating enclosure

- Support column
- Standing version

Suspension system CS-2000 System 80 Connection from below

- Coupling on CC-4000
- CS-2000 Support tube
- Elbow
- Wall joint with bellows

SUSPENSION SYSTEM CS-2000 System 80

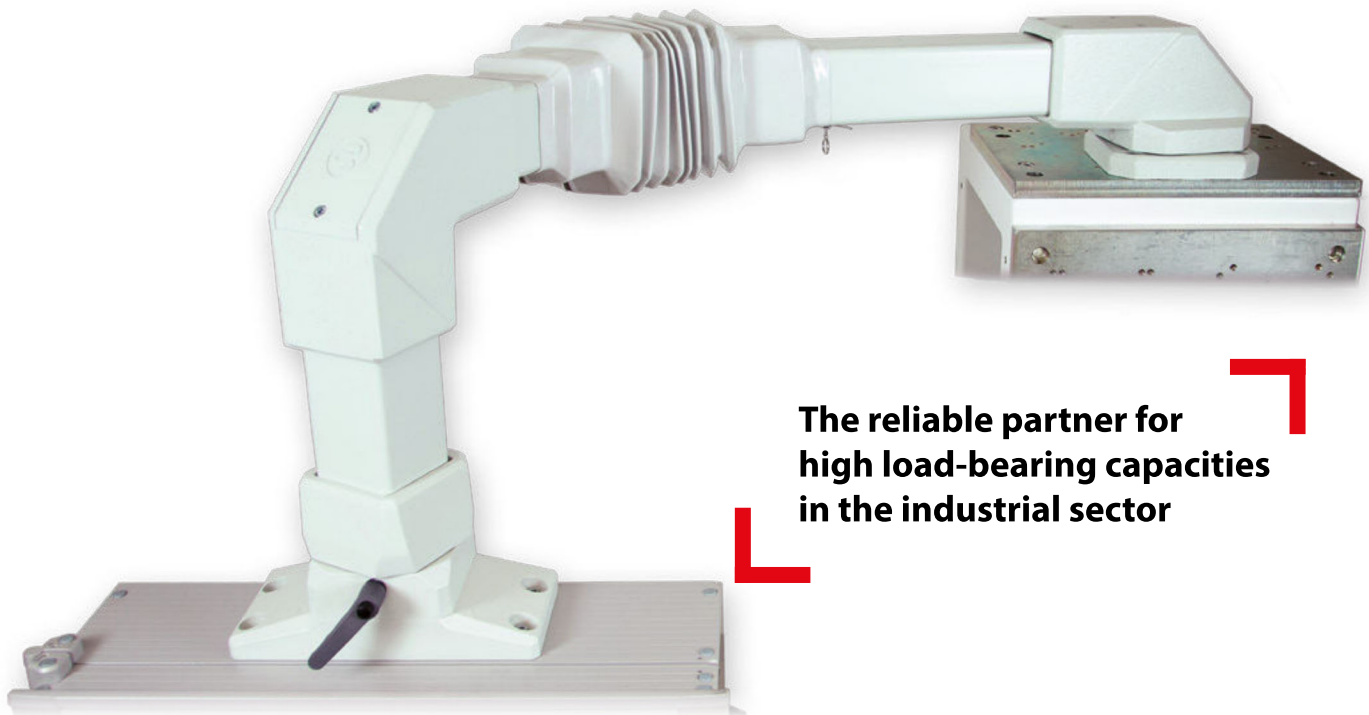
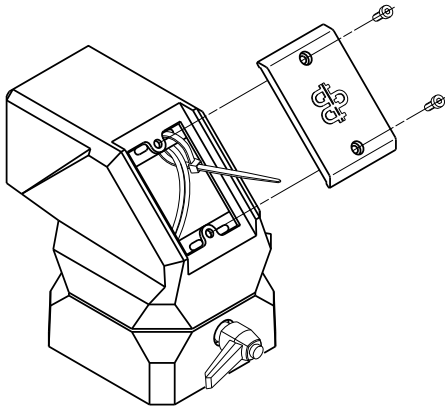
Materials

- Aluminium components: Cast aluminium
- Cast steel components: GGG 40
- Welded steel constructions
- Support tubes: St 37
- Bearing: St/PTFE bzw. POM
- Seals: CR
- Installation openings: Cast aluminium
- Bellows: PVC

Colours

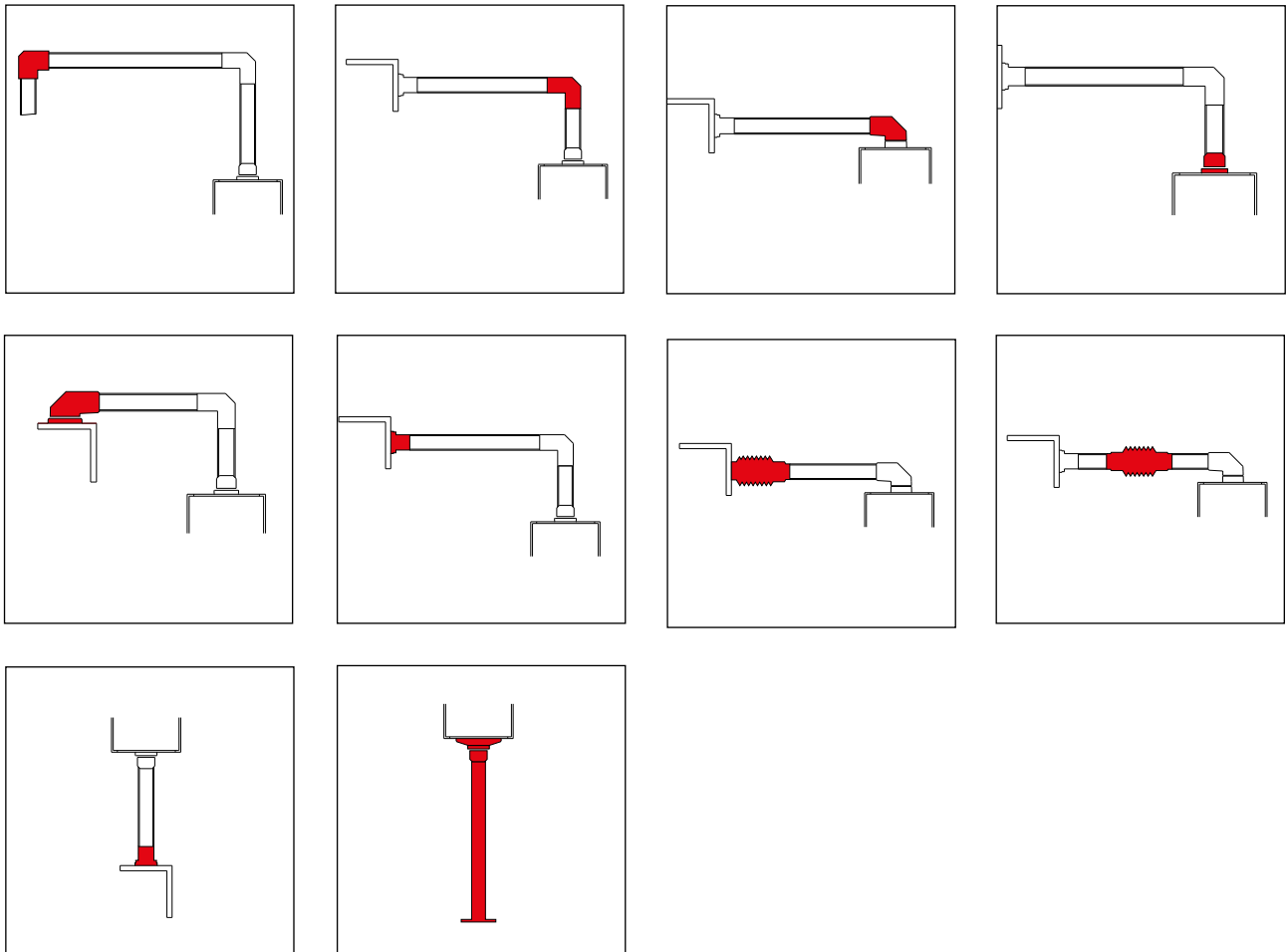
- Suspension system components:
light grey, RAL7035
- Bellows:
light grey, RAL7035
- Tubes:
light grey, RAL7035

Large cable or installation openings

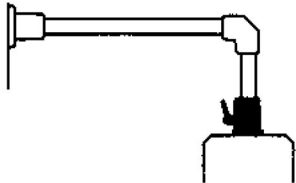
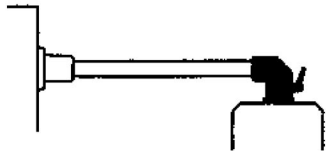
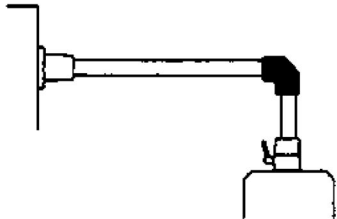
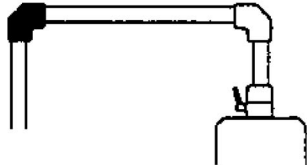
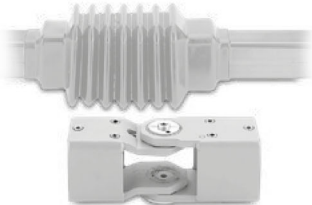
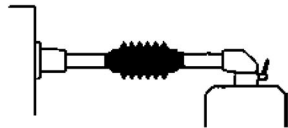


**The reliable partner for
high load-bearing capacities
in the industrial sector**

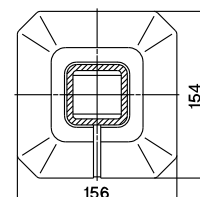
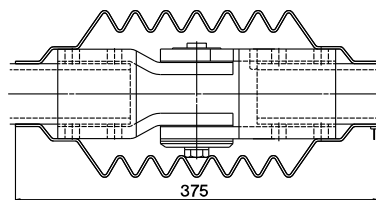
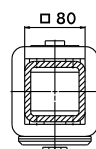
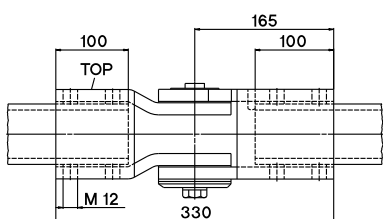
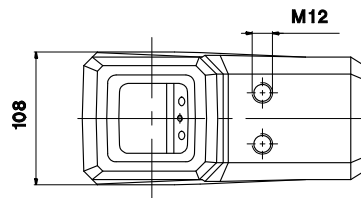
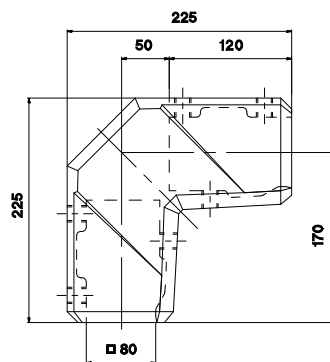
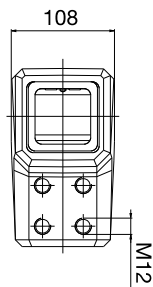
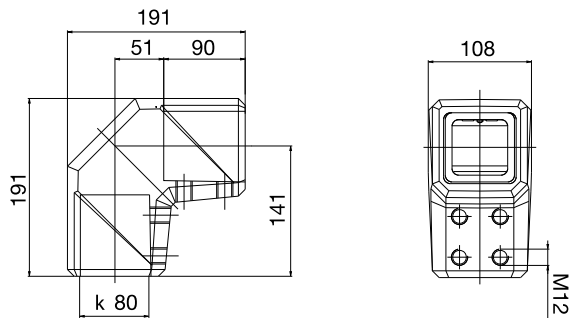
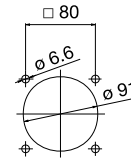
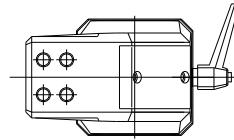
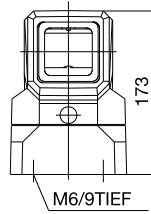
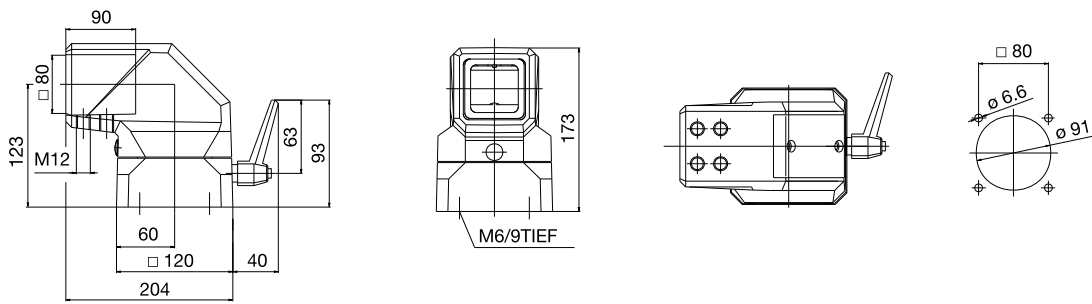
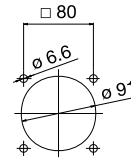
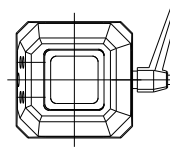
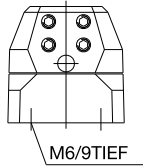
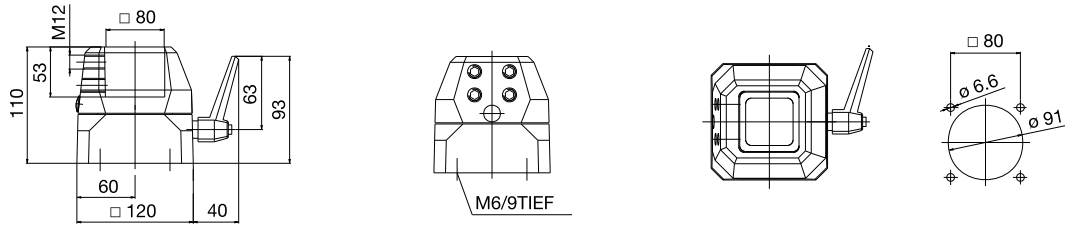
**Application examples Suspension system CS-2000 System 80 –
Wide range of configuration options**



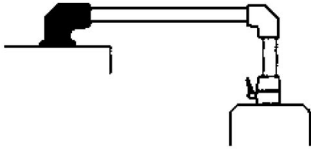
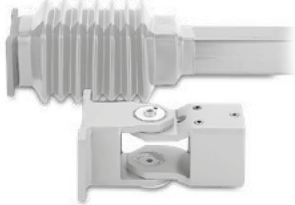
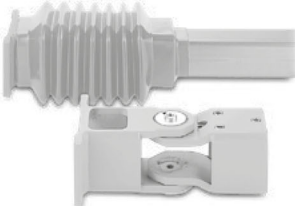
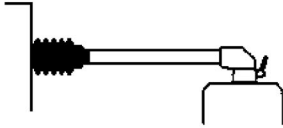
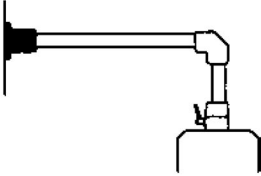
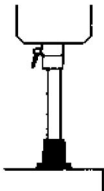
SUSPENSION SYSTEM CS-2000 System 80

Article	Application example
 Standard coupling, flange 1016702000 RAL7035 light grey • Rotation angle 300° with stop • Complete with seals and fixing screws • Torque adjustable • Material: Aluminium • Weight: 3270 g	
 Elbow coupling, flange 1016705000 RAL7035 light grey • Rotation angle 300° with stop • Complete with seals and fixing screws • Torque adjustable • Installation opening • Material: Aluminium • Weight: 4100 g	
 Elbow 1016708000 RAL7035 light grey • Installation opening • Complete with seals • Material: Aluminium • Weight: 2900 g	
 Elbow for moment load 1016711000 RAL7035 light grey • Increased load capacity • Complete with seals • Installation opening • Material: GGG • Weight: 8500 g	
 Intermediate joint 1016471000 RAL7035 light grey • Bellows attached with a zip • Swivel angle 180° with stop on both sides • Torque adjustment • Material: Steel • Weight: 9700 g	

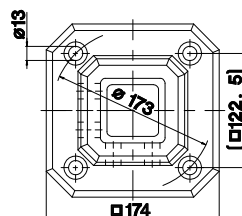
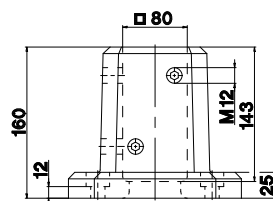
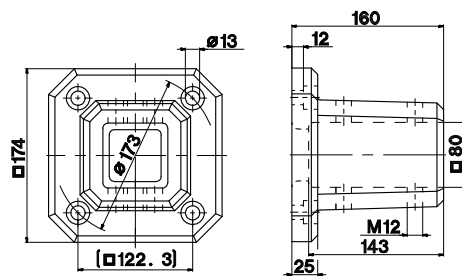
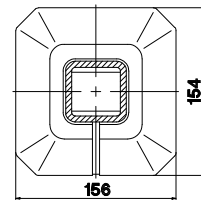
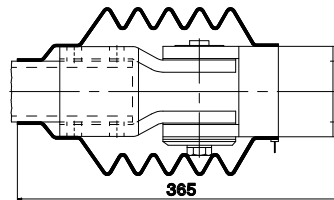
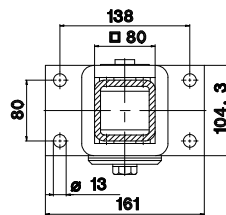
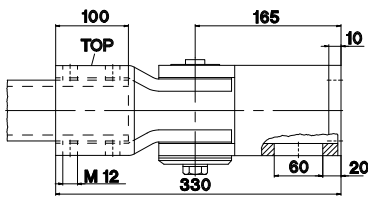
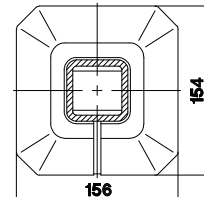
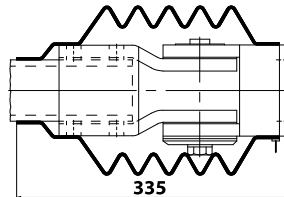
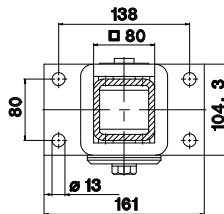
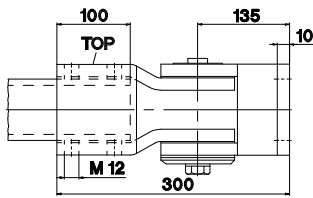
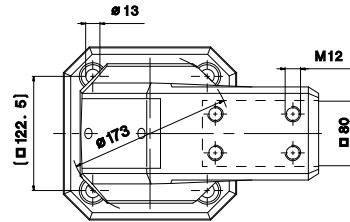
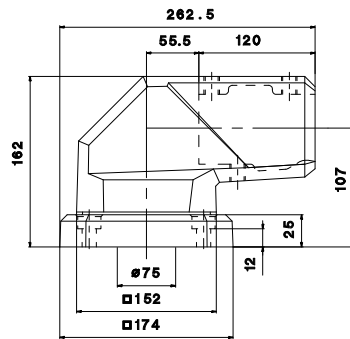
Dimensions in mm



SUSPENSION SYSTEM CS-2000 System 80

Article	Application example
 Top joint 1016714000 RAL7035 light grey • Rotation angle 306° with stop • Complete with seals and mounting screws • Material: GGG • Weight: 20620 g	
 Wall joint 1016473000 RAL7035 light grey • Bellows attached with a zip • Swivel angle 180° with stop on both sides • Torque adjustment • Material: Steel • Weight: 9250 g	
 Wall joint for cable entry 1016474000 RAL7035 light grey • Bellows attached with a zip • Swivel angle 180° with stop on both sides • Torque adjustment • Material: Steel • Weight: 9500 g	
 Wall flange 1016472000 RAL7035 light grey • Complete with seals • Material: GGG • Weight: 9100 g	
 Base 1016475000 RAL7035 light grey • Complete with seals • Material: GGG • Weight: 9240 g	

Dimensions in mm



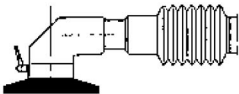
SUSPENSION SYSTEM CS-2000 System 80

Article	Application example
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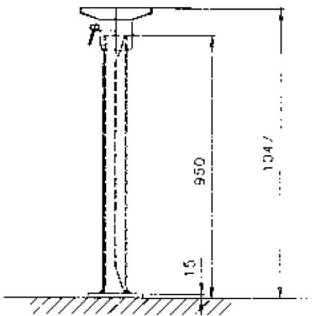
Automotive adapter
1016898000 RAL7035 light grey

- Material: Aluminium
- Weight: 1100 g



Support column, standing version
1016558000 RAL7035 light grey

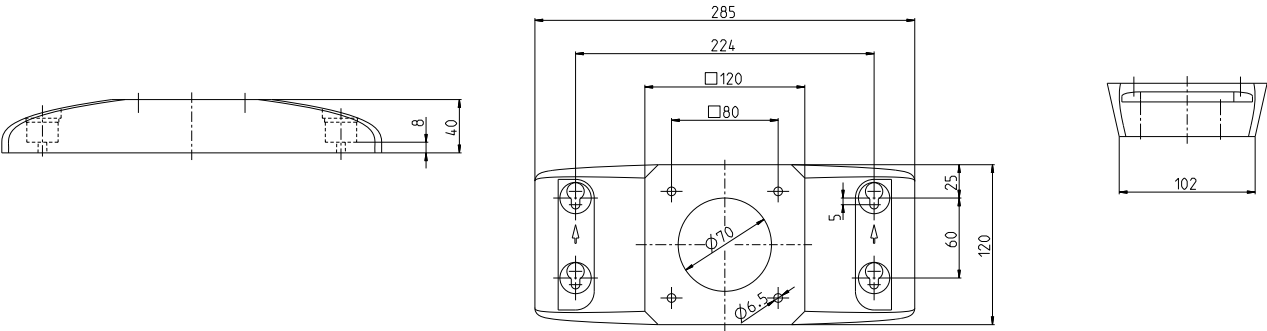
- Material: Steel / Aluminium
- Weight: 27220 g



Tube profiles RAL7035 light grey

Available tube lengths	Article number	Weights in kg
Length mm		
250 mm	9527114000	2.0
500 mm	9527115000	5.30
750 mm	9527116000	8.10
1000 mm	9527117000	11.00
1250 mm	9527118000	13.50
1500 mm	9527119000	16.50
2000 mm	9527121000	21.20
3000 mm	9527123000	33.00

Dimensions in mm



SUSPENSION SYSTEM CS-2000 System 80

Accessories

Article



Swivel angle limiter for coupling components

9805176000

- Easy to retrofit
- Balls limit the swivel angle after installation
- Adjustable in steps of 9°
- Material: PA



Signal lamp adapter

9805189000 Elbow components RAL7035 light grey

9805188000 Top joint RAL7035 light grey

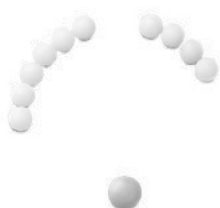
- Easy to retrofit
- Installation opening for signal lamp tubes with an outside diameter of 25 mm
- Fixation by threaded pins on the sides
- Material: Aluminium



Swivel angle limiter for wall and intermediate joints

9805062000

- A retrofittable accessory set for wall and intermediate joints
- Swivel angle range adjustable and fixed in steps of 15°
- Material: Steel



Swivel angle limitation for joint components

9805177000

- Easy to retrofit
- Balls limit the swivel angle after installation
- Adjustable in steps of 8.5°
- Material: PA



Swivel angle limiter for turn / tilt couplings

9805130000

- Easy to retrofit
- Balls limit the swivel angle after installation
- Adjustable in steps of 8.5°
- Material: PA

Notes



Diagrams. Sketches. Ideas.

A large grid of small dots for sketching or drawing.